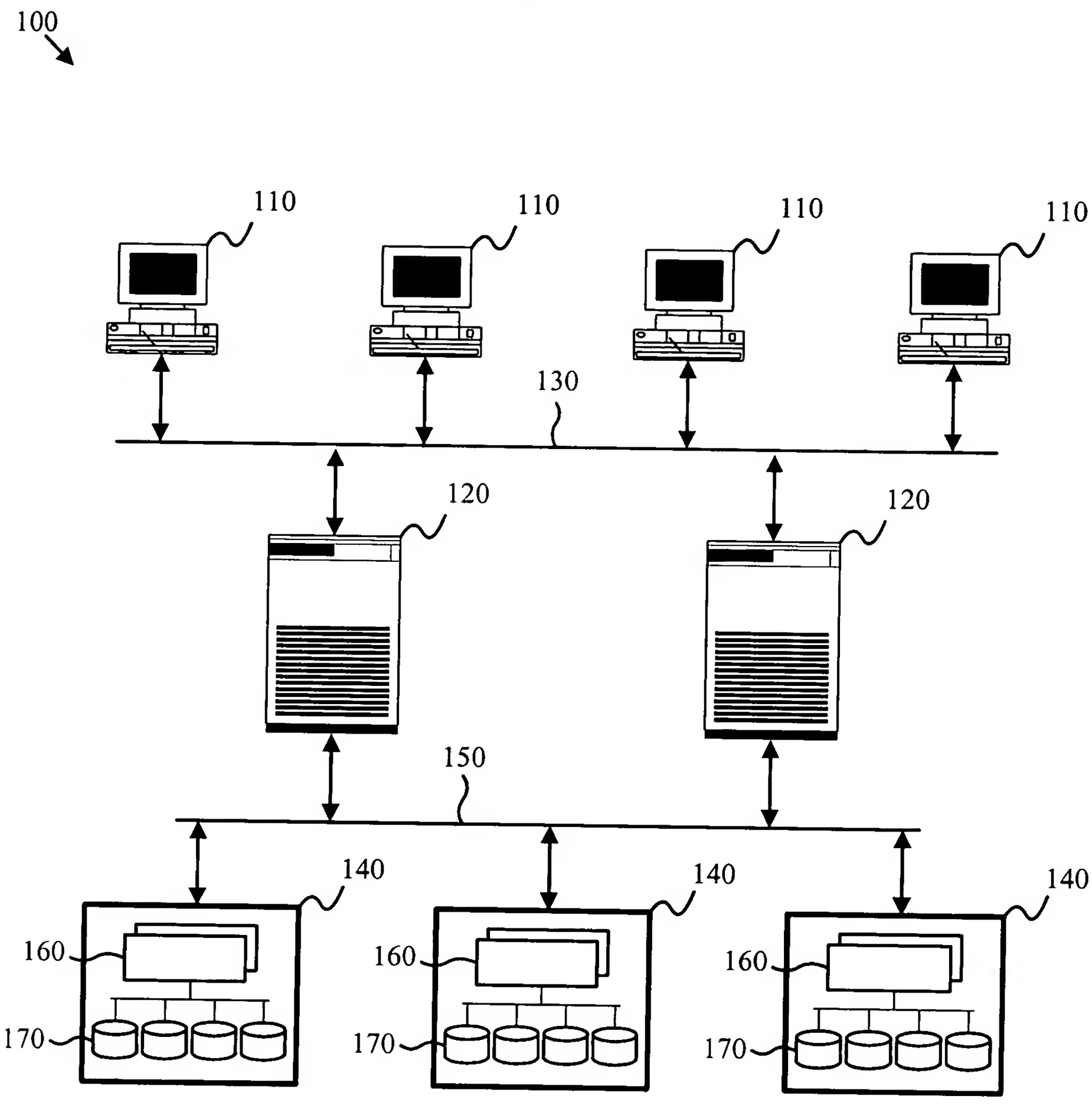
100
110
110
110
110
130
120
120
150
140
140
140
160
160
160
170
170
170

Fig. 1

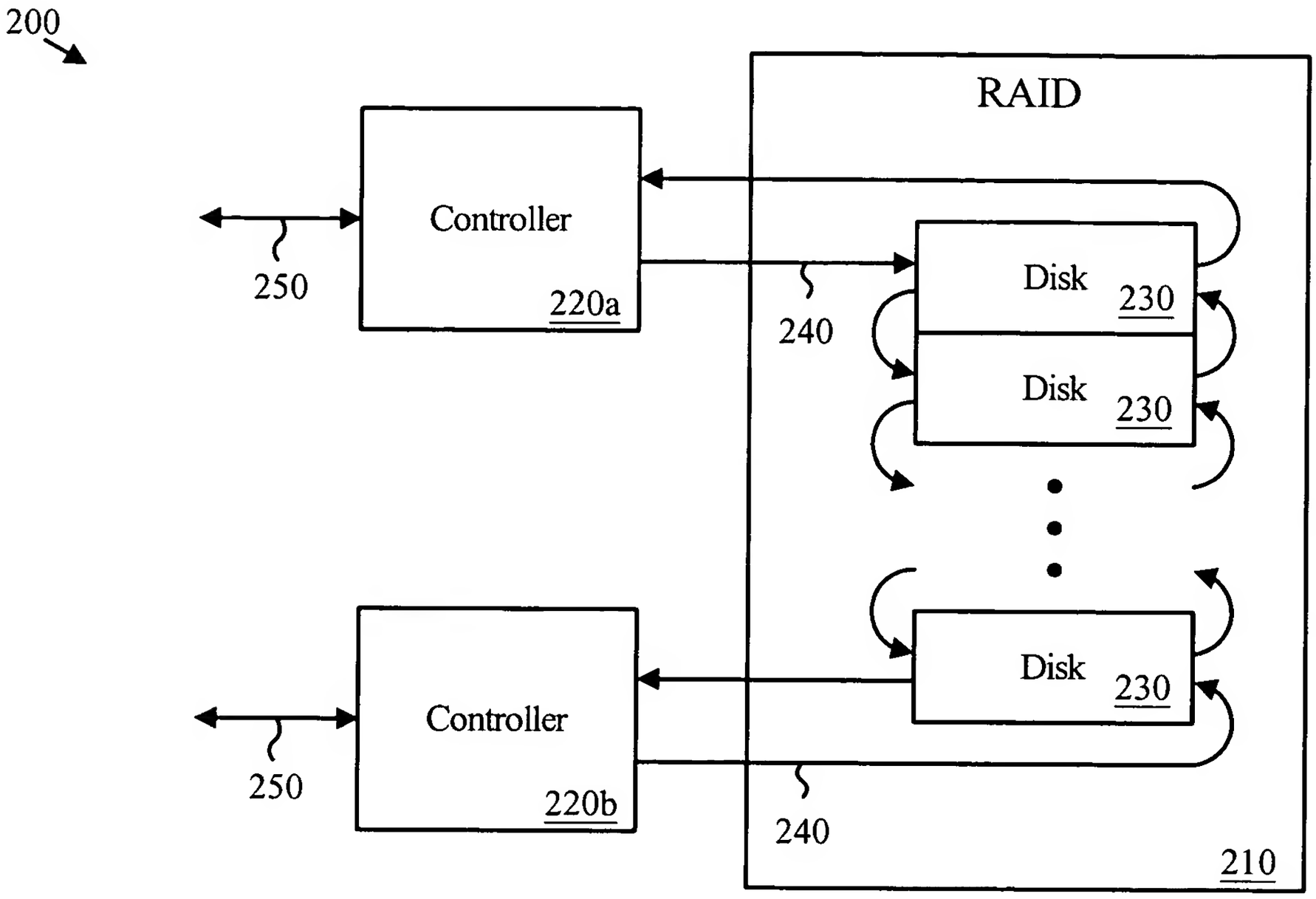
200
RAID
Controller
220a
250
240
Disk
230
Disk
230
Disk
230
Controller
220b
250
240
210

Fig. 2

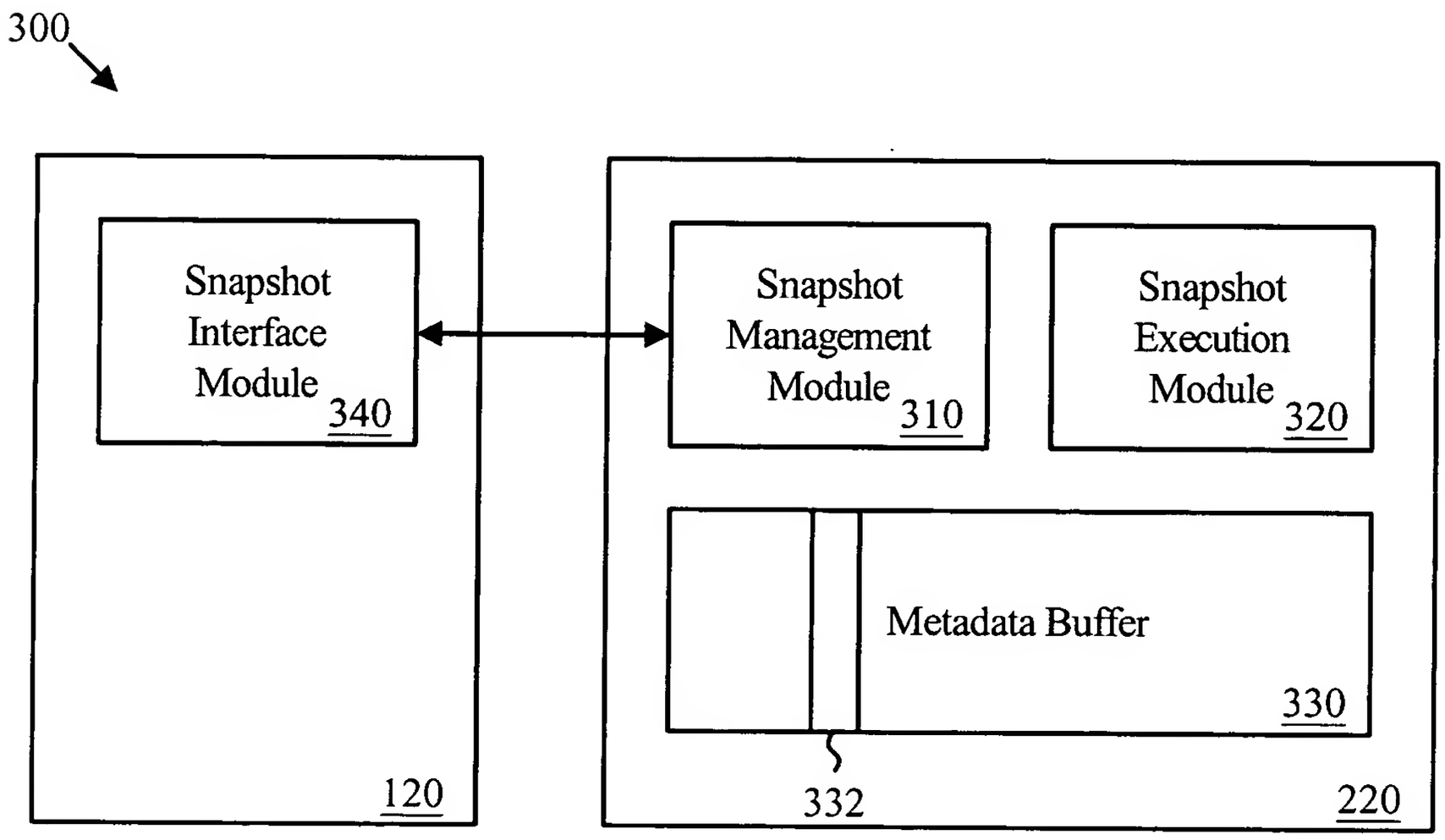
300
Snapshot
Interface
Module
340
Snapshot
Management
Module
310
Snapshot
Execution
Module
320
Metadata Buffer
330
332
120
220

Fig. 3

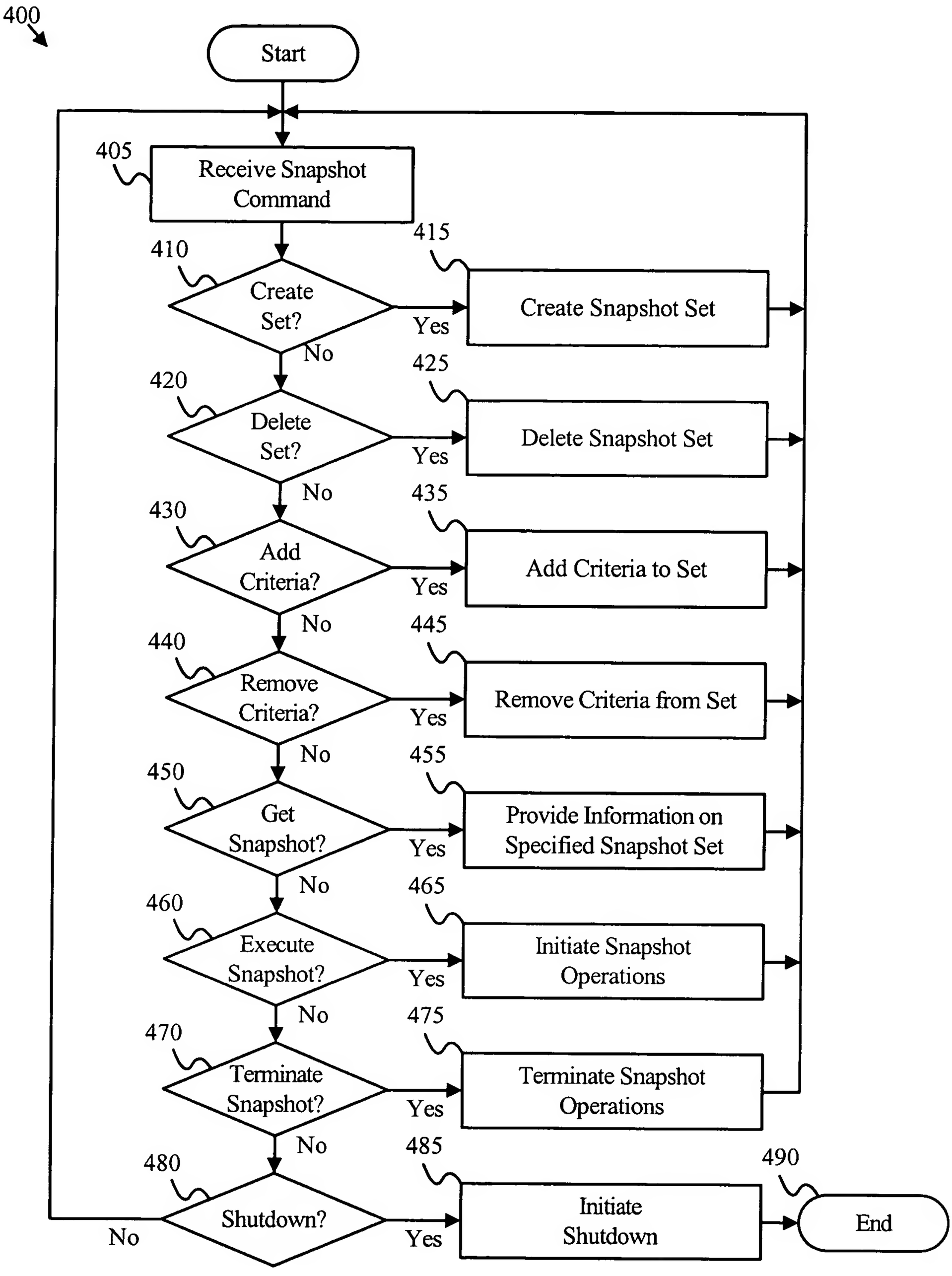
400
Start
405
Receive Snapshot Command
410
Create Set?
Yes
415
Create Snapshot Set
No
420
Delete Set?
Yes
425
Delete Snapshot Set
No
430
Add Criteria?
Yes
435
Add Criteria to Set
No
440
Remove Criteria?
Yes
445
Remove Criteria from Set
No
450
Get Snapshot?
Yes
455
Provide Information on Specified Snapshot Set
No
460
Execute Snapshot?
Yes
465
Initiate Snapshot Operations
No
470
Terminate Snapshot?
Yes
475
Terminate Snapshot Operations
No
480
Shutdown?
No
Yes
485
Initiate Shutdown
490
End

Fig. 4

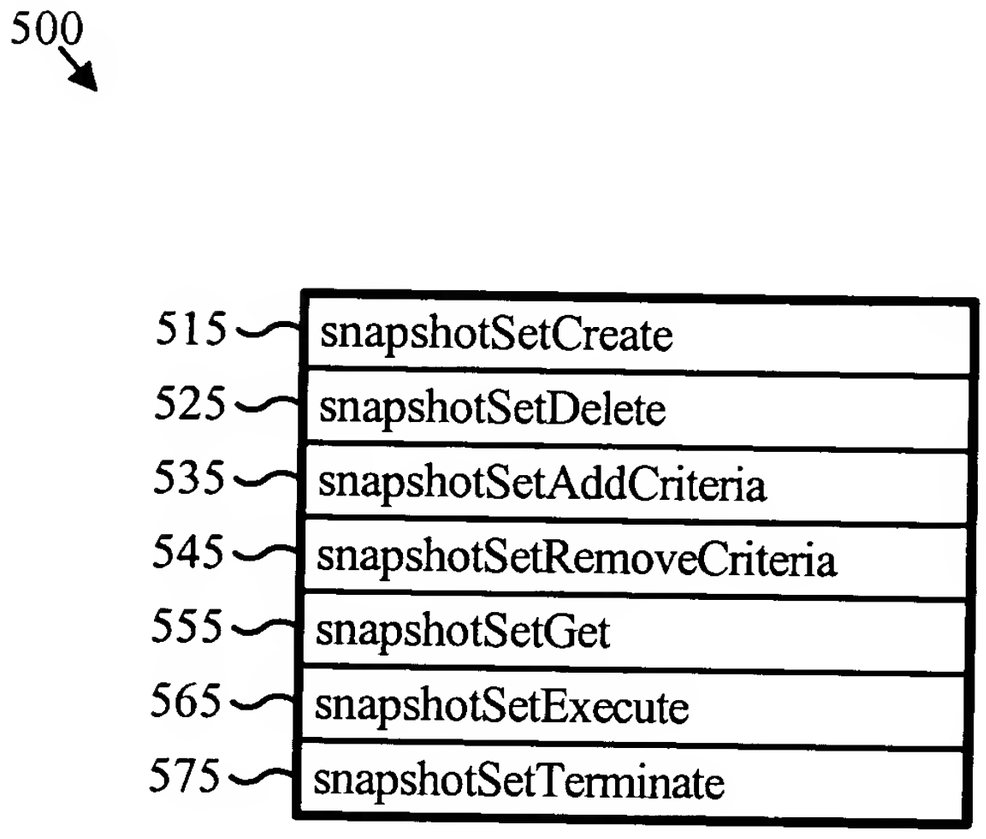
500
515
snapshotSetCreate
525
snapshotSetDelete
535
snapshotSetAddCriteria
545
snapshotSetRemoveCriteria
555
snapshotSetGet
565
snapshotSetExecute
575
snapshotSetTerminate

Fig. 5

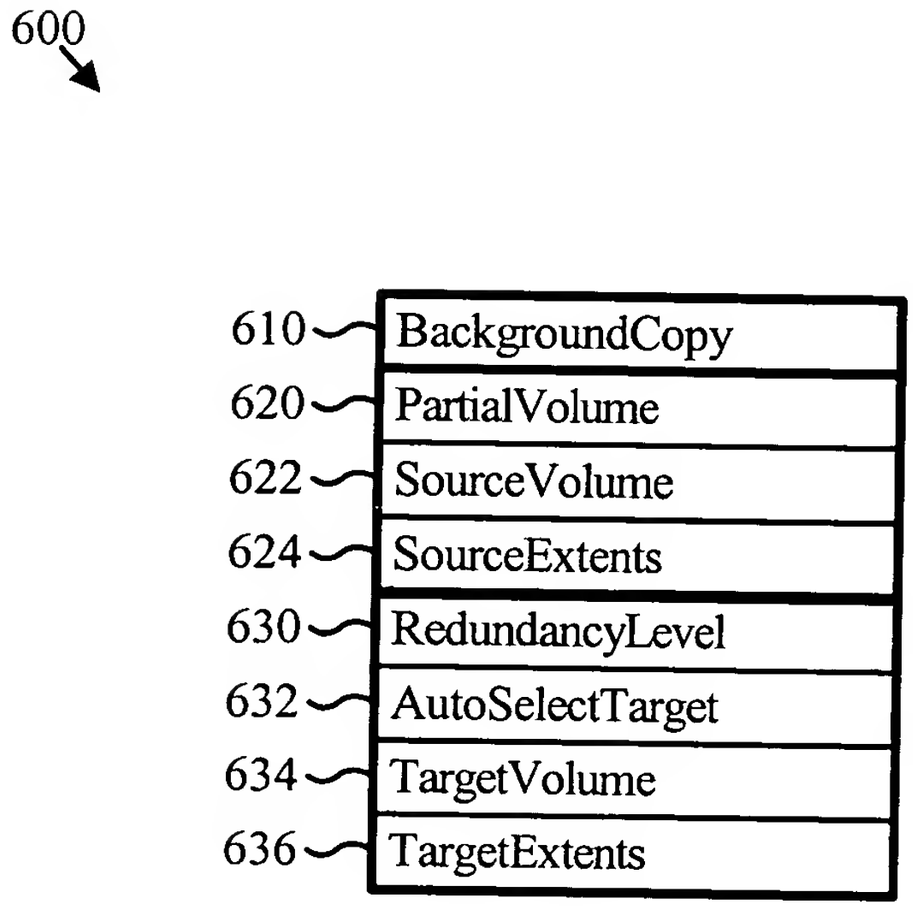
600
610
BackgroundCopy
620
PartialVolume
622
SourceVolume
624
SourceExtents
630
RedundancyLevel
632
AutoSelectTarget
634
TargetVolume
636
TargetExtents

Fig. 6